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|----------------|-----------|----------|
| APPROVED BY | O.G. FIG. | |
| | CLASS | SUBCLASS |
| DRAFTSMAN | | |

FIG. 1A

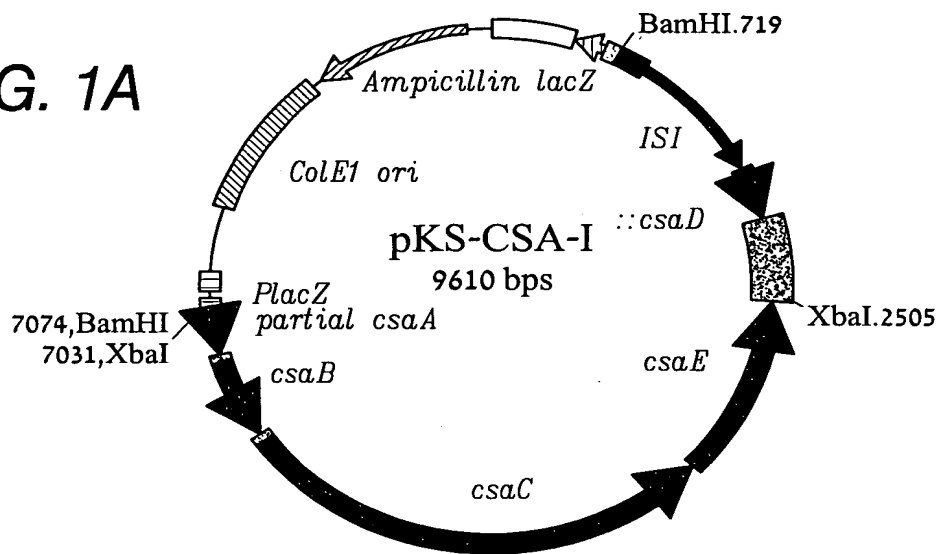


FIG. 1B

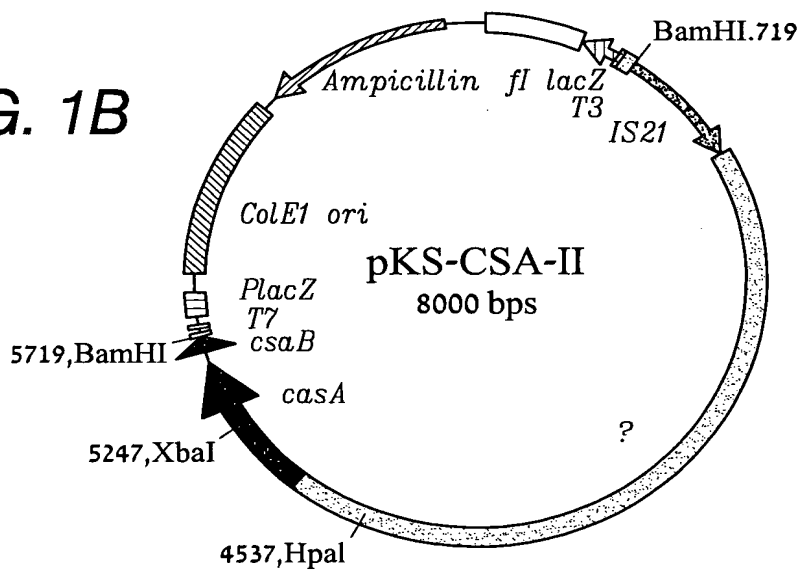


FIG. 1C

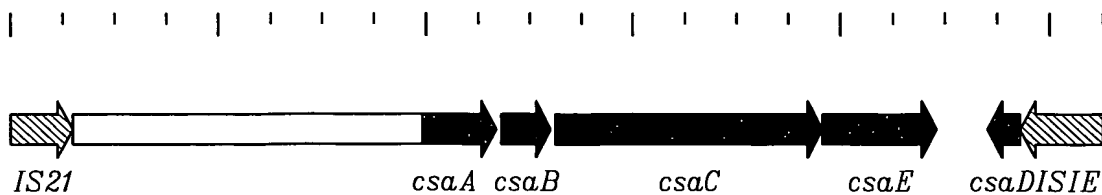


FIG. 1D



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FIG. 2B

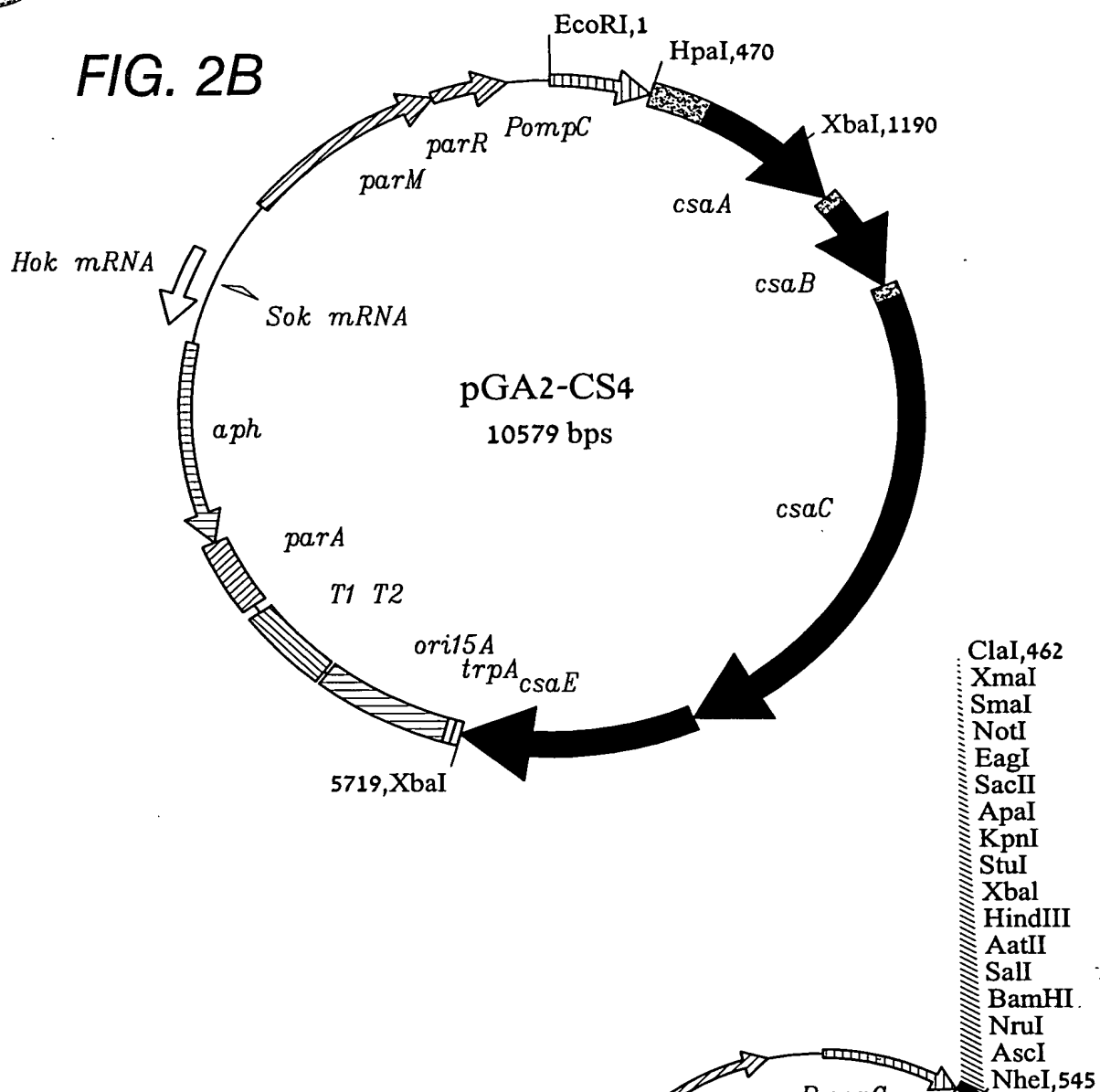
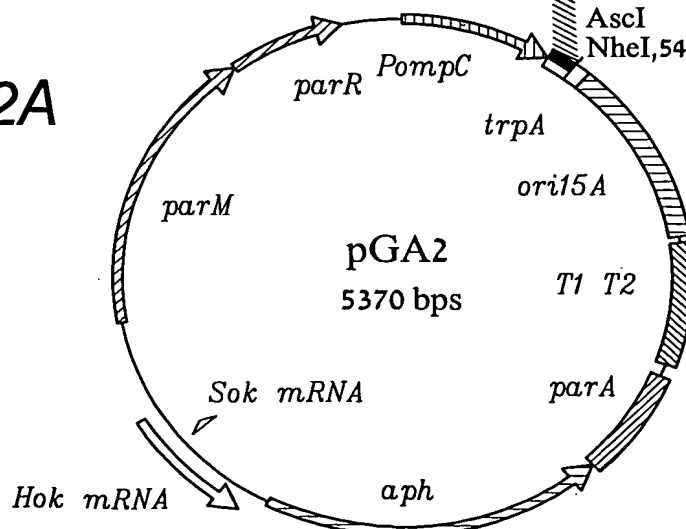


FIG. 2A



| | | |
|-----------------------------|-----------|----------|
| APPROVED BY DRAFTSMAN | O.G. FIG. | SUBCLASS |
| | CLASS | |

100210-4686860

1 50
CsaE TMNKILFIFT LFFSSVLFTF AVSADKIPGD ESITNIFGP. RDRNESS P
CfaE .MNKILFIFT LFFSSGFFTF AVSADKNPGS ENMTNTIGP. HDRGGSS P
CotD .MKKVIFVLS MFLCSQVYGQ SWHTNVEAGS INKTFSIGP. IDRSAAASY P
CooD .MKKIFIFL SIIFSAVVSA GRYPETTVGN LTKSFQAPR. LDRSVQS P
TsaD MSNIC4KWTSM TAHWSAII NF IRKYVYPARI IAIL114AGAT LPQVADAITV
Consensus ..nK.....fSafrag. iag.- ldr.a.a p

51 100
CsaE KHNILNNHIT A YSESH TLYDRMT.FL CLSSHNTLNG ACPTSENPPS
CfaE IYNILNSYLT A YNGSH HLYDRMS.FL CLSSQNTLNG ACPSSDAPGT
CotD AHYIFHEBVA G YNKDH SLFDRMT.FL CMSSTDASKG ACPTGENSKS
CooD IYNIFTNHVA G YLSH SLYDRIV.FL CTSSSNPVNG ACPTIGTSGV
TsaD DLNYDKNNVA VITPVWSQEW SVANVLGGWV CRSNRNENEG CEETHLVWV
Consensus ..ni..nhvays..h sljr-fl C.Ss.#...G ACpt

101 150
CsaE SSVSGETNIT LQFTEKRS LI KRELQIKGYK QLLFKSVNC. ..PSGLTLNS
CfaE ATIDGETNIT LQFTEKRS LI KRELQIKGYK QFLFKNANC. ..pSKLALNS
CotD S..QGETNIK LIFTEKKS LA RKTNLKG YK RFLYESDCI HYVDKMNLS
CooD Q..YGTITIT LQFTEKRS LI KRNIAGNK KPIWENQSC. DFSNIMVLNS
TsaD. YAFGAYSXIR LRFREQISHA EITLILLGSV R DAC. TGVINMNA
Consensus -.g.t.i. L.FtEk.Sla ..U.I.G.k r d-C. y n\$Ns

151 200
CsaE AHFNCKNA. ASGASLYLYI PAGELKNLPF GGIWDATLKL RVKRR ... YS
CfaE SHFQCNEQ. ASGATLSLYI PAGELKNLPF GGVWNAVLKL NVKRR ... Y
CotD HTVKCVGSF. TRGVDFTL YI PQGEIDGLT GGIWKATLEL RVKRH . YD
CooD KSWSCGA.HGN ANGTILNLYI PAGEINKLPF GGIWEATLIL RLSRYGEVSS
TsaD AACQW GRSLKLRI PSEELAKIPT SGTWKATLVL DYQWGW. .GD
ConsensuscG.....l.Lyl P.gEl.klpt gGiW.AtL.L r r.g d

201 250
CsaE ETYGTYTINI TIKLTDK-.G NIQIWL PQF- KSDARVDLNL RPTGGGTYIG
CfaE TTYGTYTINI TVNLTDK..G NIQIWL PQF. KSNARVDLNL RPTGGGTYIG
CotD YNHGTYKVNI TVDLTDK..G NIQVWTPKF- HSDPRIDLNL RPEGNGKYS
CooD THYGNYTVNI TVDLTDK-.G NIQVWLP GF. HSNPRVDLNL RPIGNKYSG
TsaD DPLGTSTTDI TLNVTDFHAE NAAIYFPQFG TATPRVDLNL HRMNASQMSG
Consensus --- Gtyt-#l Tv.ITDk..g Niq!w.PqF. s.pR!DLNL rp.g ... ysG

251 300
CsaE RNSVDMCFYD GYSTNSSSLE IRFQDNNPKS DGKFYLKIN DDTKEIAYTL
CfaE RNSVDMCFYD GYSTMSSSLE IRFQDDNSKS DGKFYLKIN DDSKELVYTL
CotD SNVLEMCLYD GYSTHSQSIE MRFQDDSQTG NNEYNLIKTG EPLKKLPYKL
CooD SNSLDMCFYD GYSTNSDSMV IKFQDDNPTN SSEYNLYKIG G.TEKL PYAV
TsaD RANLDMCLYD G.GVKARSLQ MMEGSNKSG TG.FQVIK.S DSADTIDYAV
Consensus m.l#MC1YD Gyst.s.Sl. mkf#ddn..g g-%.liK.. d l. Yav

301 350
CsaE SLLLAGXSLT PTNGTSLNIA DAASLFTNWN RITAVTMPEI SVPVLCWPGR
CfaE SLLLAGKNLT PTNGQALNI. NTASLETNWN RITAVTMPEI SVPVLCWPGR
CotD SLLGGREFY PNNGKAFTIN DTSSLFINWN RIKSVSLPQI SIPVLCWPAN
CooD SLI14GEKIFY PVNGQSFTIN DSSVLETNWN RVTAVAMPEV NVPVLCWPAR
TsaD SMNYGGRSIP VTRGVEFSLD NVDKAATR. .PVVLPQG RQAVRCVPVP
Consensus SSl.ggr..... -- ptnG-..... f.i. # --- l.twn r V.7SP pVlcwp

351 383
CsaE LQLDAK ... V ENPEAGQYMG NINVTFTPSS QTL
CfaE LQLDAK ... V KNPEAGQYMG NIKITFTPSS QTL
CotD LTFMSE ... L NNPEAGEYSG ILNVTFTPSS SSL
CooD LLLNAD ... V NAPDAGQYSG QIYITFPSV ENL
TsaD LTLTTQPFNI REKRSGEYQG TLTVTMLMGT QTP
Consensus Ltlp.aG#Y.G .l-!Tftps. qtl

Fig. 3

| | |
|-----------|----|
| O.G. FIG. | |
| APPROVED | BY |
| CLASS | |
| SUBCLASS | |
| DRAFTSMAN | |

| | | | |
|-----------|---|-----------------------|---------|
| | 1 | | 60 |
| CsaB | MKLKKTIGAM ALTTMFVAMS ASAVEKNITV TASVDPTIDI LQADGSSLPT AVELTYS PAA | | |
| CfaA | MKFKKTIGAM ALTTMFVAVS ASAVEKNITV TASVDPAIDL LQADGNALPS VKLAYSPAS | | |
| CooA | MKLKKTIGAM ALATLFATMG ASAVEKTISV TASVDPTVDL LQSDGSALPN VALTYS PAV | | |
| CotA | MKLNKIIGAL VLSSTFVSMG ASAAEKNITV TASVDPTIDL MQSDGTALPS AVNIA YLPGE | | |
| CsuA1 | MKLKYTIGAM ALSTIFVAVS ASAVEKNITV TASVDPTIDI, LQANGSALPT AVDLTYLPGA | | |
| CsuA2 | VDPTIDI LQANGSALPT AVDLTYLPGA | | |
| CsdA | VDPKLDL LQADGTS LPD SIALTYSSAS | | |
| Csba | VDPKLDL LQADGTS LPD SIALTYSSAS | | |
| Consensus | mk..k.iga. .l ... f asa.ek.i.v tasVDPTiDI \$Qa#GtaLP. a!.ltYspa. | | |
| 61 | | | 120 |
| CsaB | SRFENYKIAT KVHTNVINKN VLVKL VNDPK -LTNVLDSTK QLPITVSYGG K-LSTADVTF | | |
| CfaA | KIFESYRVMT QVHTNDATKK VIVKLADTPQ -LTDV.LNSTV QMPISVSWGG VLSTTAKEF | | |
| CooA | NNFEAHTINT VVHTNDS DKG VVVKLSADPV -LSNVLNPTL QIPVSVNFAG KPLSTTGITI | | |
| CotA | KRFESARINT QVHTNNKTKG IQIKLTNDNV VMTNLSDPK TIPLEV SFAG TKLSTAATSI | | |
| CsuA1 | KTFENYSVLT QIYTNDPSKG LDVRLVDTPK -LTNQLPTS TIPLTVSWAG RTLSTSAQKI | | |
| CsuA2 | KTFENYSVLT QIYTNDPSKG LDVRLVDTPK -LTNQLPTS TIPLTVSWAG KTLSTSAQKI | | |
| CsdA | NNFEVYSLNT AIHTNDKTKA VVVKLSAPAV -LSNIMKPSS QIPMKVTLGG KTLSTADAEF | | |
| Csba | NNFEVYSLNT AIHTNDKSKG VVVKLSASPV -LSNIMXPNS QIPMKVTLGG ETLNTDTEF | | |
| Consensus | ..FE.ys.nT .!hTN#k.Kg v.!kL...pv .StNi..p.s qiP..Vs.gG tLsT f, | | |
| 121 | | | 179 |
| CsaB | EPAE LNFGTS GVTGVSSSQD LVIGA----T TAQAPSA-NY SGVVSILMTL AS | | |
| CfaA | EAALGYSAS GVNGVSSSQE LVISA-APKT AGTAPTAGNY SGVVSILMTL GS | | |
| CooA | DSNDLNFASS GVNYVSSSTQK LSIHADATRV TGGALTAGQY QGLVSIILTK ST | | |
| CotA | TADQLNFGAA GVETVSATKE LVINAGSTQQ TN--IVAGNY QGLVSIVLTQ EP | | |
| CsuA1 | AVGDLGFGST GTAGVSNSKE LVIGA---TT SGK-PSAGKY QGVVSIVMTQ STN | | |
| CsuA2 | AVGDLGFGST GTAGVSNSKE LVIGA---TT SGTAPSAGKY QGVVSIVMTQ STD AAPVP | | |
| CsdA | AADTLNFGAS GVENVSSVQQ LTIHA --- EA --APPEAGNY QGVISLIMTQ KT | | |
| Csba | TVDTLNFGTS GVENVSSSTQQ LTIHA --- DT QGTAP EAGNY QGIISLIMTQ KT | | |
| Consensus | -d.LnFg.s Gve.VSs.q. LvLA t | g.ap.AGnY qGv!Si!\$Tq | t |

Multalin (version 5.4. 1). Consensus symbols: ! is anyone of IV; \$ is anyone of LM; % is anyone of FY; # is anyone of NDQEBZ

Fig. 4.